

pRetroX-PTuner IRES Vector

Catalog No.	Amount	Lot Number
631035 (Not sold separately; sold as a part of 632167)	20 µg	Specified on product label.

Description

pRetroX-PTuner IRES is a bicistronic retroviral expression vector containing ZsGreen1 as a marker for transfection/infection efficiency. The vector is designed to simultaneously express a protein of interest tagged with a mutant FKBP destabilizing domain (DD) and ZsGreen1, a codon-optimized variant of the *Zoanthus sp.* green fluorescent protein (ZsGreen), from the same transcript in transfected mammalian cells. This vector contains an internal ribosome entry site (IRES) of the encephalomyocarditis virus (ECMV). When a gene of interest is inserted into the MCS located upstream of the IRES, both the DD-tagged gene of interest and the ZsGreen1 coding region will be translated from a single bicistronic mRNA.

Package Contents

- 1 tube of pRetroX-PTuner IRES Vector (500 ng/µl)

Storage Conditions

- Store plasmids at -20°C .
- Spin briefly to recover contents.
- Avoid repeated freeze/thaw cycles.

Shelf Life

- 1 year from date of receipt under proper storage conditions.

Storage Buffer

- 10 mM Tris-HCl (pH 8.0), 1 mM EDTA (pH 8.0)

Concentration

- 500 ng/µl

Shipping Conditions

- Dry ice

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Vector Information Packet (PT4039-5)

Propagation in *E. coli*

- Selectable marker: Plasmids confer resistance to ampicillin (100 µg/ml) in *E. coli* DH5α.

Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA
U.S. Technical Support: technical_support@takarabio.com

United States/Canada 800.662.2566 (040621)	Asia Pacific +1.650.919.7300	Europe +33.(0)1.3904.6880	Japan +81.(0)77.565.6999
--	---------------------------------	------------------------------	-----------------------------

Certificate of Analysis

Cat. No. 631035

pRetroX-PTuner IRES Vector (Not sold separately; sold as a part of 632167)

Quality Control Data

Plasmid Identity & Purity

- Digestion with the indicated restriction enzymes produced fragments of the indicated sizes on a 0.8% agarose/EtBr gel:

Vector	Enzyme(s)	Fragment(s)
pRetroX-PTuner IRES	PstI	6.3 kb
	SacII	5.95 & 0.3 kb

- Vector identity was confirmed by sequencing.
- A_{260}/A_{280} : 1.8–2.0

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

pRetroX-PTuner IRES Vector

CATALOG NO.

631035

NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

Your use of this product is also subject to compliance with the licensing requirements, listed below if applicable, and described on the product's web page at <http://www.takarabio.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

STATEMENT 57

This product is covered by U.S. Patent No. 8,173,792.

TRADEMARKS:

©2008 Takara Bio Inc. All Rights Reserved.

All trademarks are the property of Takara Bio Inc. or its affiliate(s) in the U.S. and/or other countries or their respective owners. Certain trademarks may not be registered in all jurisdictions.

Takara Bio USA, Inc.

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: techUS@takarabio.com

United States/Canada

800.662.2566

Asia Pacific

+1.650.919.7300

Europe

+33.(0)1.3904.6880

Japan

+81.(0)77.565.6999

4/6/2021